



STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

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November 17, 1988

DIVISION OF HIGHWAYS

GEORGE E. WELLS, P.E.
STATE HIGHWAY ADMINISTRATOR

MEMORANDUM TO: Hydraulics Unit Staff
FROM: V. P. Thompson *VPT*
SUBJECT: Recording Discharge Rates

On numerous reviews, I have found discharge rates recorded to a much higher degree of accuracy than the hydrology method used for estimating the rates. (Example: D. A. = 159.6 square miles, average flow = 239.4 c.f.s.)

Begin showing significant figures to approximately the closest 10% of the estimated discharge rate. The following is a suggested guide:

DISCHARGE RATE		RECORD TO CLOSEST	
0 - 5	C.F.S.	0.1	C.F.S.
5 - 50	C.F.S.	1	C.F.S.
50 - 100	C.F.S.	5	C.F.S.
100 - 500	C.F.S.	10	C.F.S.
500 - 1000	C.F.S.	<u>50</u>	C.F.S.
1000 - 10,000	C.F.S.	100	C.F.S.
10,000 - 100,000	C.F.S.	1000	C.F.S.
100,000 & ABOVE	C.F.S.	10,000	C.F.S.

VPT/sw